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**JUN 06 2006**

DLA Piper Rudnick Gray Cary US LLP  
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East Palo Alto, California 94303-2248  
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F 650.833.2001  
W www.dlapiper.com

**Certificate**

**JUN 09 2006**

**FAX TRANSMISSION COVER SHEET**

**June 6, 2006** of Correction

**To:**

**Telephone:**

**Fax Number:**

**CERTIFICATE OF CORRECTIONS**

**BRANCH**

**Commissioner for Patents  
Alexandria, VA 22313-1450**

**(571) 273-8300**

**From:** Jon Y. Ikegami  
Reg No. 51,115  
650-833-2104

**Client-Matter Number:**

**351991-991270**  
Was No.: 2102475-991270

**Re:** Issued U.S. Patent No. US 7,030,658 B2      **Issued April 18, 2006**  
**Title:** SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS  
**Inventor(s):** Murakami et al.  
**Pages:** - 18 - (including this form)      **Originals:**  will be mailed  will not be mailed  
**If there is a problem with this transmission, please call (area code)** Jan Huss (650) 833-1569  
**Fax Operator/Ext.**

**Message:**

Attached are the following documents to be made of record for the above-referenced matter:

1. Certificate of Facsimile Transmission Under 37 CFR 1.18 Cover Sheet (1 pg);
2. Transmittal Form (PTO/SB/21) (1 pg);
3. Fee Transmittal FY 2006 (1 pg + copy) with authorization to charge Deposit Account;
4. Request for Certificate of Correction Of A Patent For Applicant's Mistake (2 pgs. + copy);
5. Certificate of Correction PTO Form SB/44 (1 pg) (in triplicate);
6. Copy of Notice of Recordation of Assignment mailed 8-3-04 and Recordation Form Cover Sheet;
7. Copy of Notice of Recordation of Assignment mailed 8-26-04 and Recordation Form Cover Sheet; and
8. Certificate of Facsimile Transmission under 37 CFR 1.8 (1 pg.)

**Certificate of Transmission by Facsimile**

I hereby certify that this correspondence is being transmitted by facsimile to Fax No. (571) 273-8300 to:

The Certificate of Corrections Branch  
Commissioner for Patents, Alexandria, VA 22313-1450 on:

June 6, 2006

Jan Huss

**CONFIDENTIALITY NOTICE**

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(Form Rev. 6/5/00)

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PAGE 1/18 \* RCVD AT 6/6/2006 8:14:44 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/12 \* DNIS:2738300 \* CSID:650 833 2001 \* DURATION (mm:ss):05:20

**JUN 09 ZUUB**

JUN 06 2006

Docket No. 351991-991270

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Hiroaki MURAKAMI et al.		
Serial No.	10/764,179	Group Art Unit:	2819
Filed:	January 23, 2004	Examiner:	CHANG, Daniel D.
Title:	SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS		

**Certificate of Facsimile Transmission under 37 CFR 1.8**

I hereby certify that the following correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Certificate of Corrections Branch at (571) 273-8300 on June 6, 2006:



Jan Huss

Attached are the following documents:

1. Fax Transmittal Cover Sheet to the PTO (1 pg.);
2. Certificate of Facsimile Transmission under 37 CFR 1.8 (1 pg.);
3. Transmittal Form (PTO/SB/21) (1 pg.);
4. Fee Transmittal FY 2006 (1 pg + copy) authorizing charge to Deposit Account;
5. Request for Certificate of Correction Of A Patent For Applicant's Mistake (2 pgs. + copy);
6. Certificate of Correction PTO Form SB/44 (1 pg in triplicate);
7. Copy of Notice of Recordation of Assignment mailed on 8-3-04 and Recordation Form Cover Sheet (3 pgs); and,
8. Copy of Notice of Recordation of Assignment mailed on 8-26-04 and Recordation Form Cover Sheet (3 pgs).

PAL10460562.1  
351991-991270

PAGE 2/18 \* RCVD AT 6/6/2006 8:14:44 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/12 \* DNIS:2738300 \* CSID:650 833 2001 \* DURATION (mm:ss):05:20

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PTO/SB/21 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL  
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/764,179
Filing Date	January 23, 2004
First Named Inventor	Hiroaki MURAKAMI et al.
Art Unit	2819
Examiner Name	Daniel D. Chang
Total Number of Pages in This Submission	17
Attorney Docket Number	351991-991270 (Formerly 2102475)

## ENCLOSURES (Check all that apply)

- Fee Transmittal Form (PTO/SB/17) (+1)  
 Authorization to Charge Deposit Account  
 Amendment/Reply  
 After Final  
 Affidavits/declaration(s)  
 Extension of Time Request  
 Express Abandonment Request  
 Information Disclosure Statement  
 Certified Copy of Priority Document(s)  
 Response to Missing Parts/Incomplete Application  
 Response to Missing Parts under 37 CFR 1.52 or 1.53

- Drawing(s)  
 Licensing-related Papers  
 Petition  
 Petition to Convert to a Provisional Application  
 Power of Attorney, Revocation Change of Correspondence Address  
 Terminal Disclaimer  
 Request for Refund  
 CD, Number of CD(s) \_\_\_\_\_  
 Landscape Table on CD

- After Allowance Communication to TC  
 Appeal Communication to Board of Appeals and Interferences  
 Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  
 Proprietary Information  
 Status Letter  
 Other Enclosure(s) (please identify below):  
 1. Request for Certificate of Correction (2 Pg) (+1);  
 2. Copy of Notice of Recordation and Recordation Form Cover Sheet mailed 8-3-04.  
 3. Copy of Notice of Recordation and Recordation Form Cover Sheet mailed 8-26-04;  
 4. Certificate of Correction PTO SB/44 (In triplicate);  
 5. Certificate of Facsimile Transmission.

## Remarks

The Commissioner is hereby authorized to charge the Request for Certificate of Correction Fee of \$100 and Processing Fee of \$130 and any fees which may be required, or credit any overpayment to Deposit Account No. 07-1896 as indicated on the enclosed Fee Transmittal form, which is being submitted in duplicate.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name DLA Piper Rudnick Gray Cary US LLP

Signature 

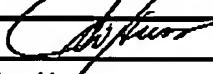
Printed name Jon Y. Ikegami

Date June 6, 2006

Reg. No. 51,115

## CERTIFICATE OF FACSIMILE TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature 

Typed or printed name Jan Huss

Date June 6, 2006

PA\10460608.1  
351991-991270American LegalNet, Inc.  
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JUN 06 2006

004

PTO/SB/M7 (12-04/2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## for FY 2006

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$230.00)

## Complete If Known

Application Number	10/764,179
Filing Date	January 23, 2004
First Named Inventor	Hiroaki MURAKAMI et al.
Examiner Name	Daniel D. Chang
Art Unit	2819
Attorney Docket No.	351991-991270 (2102475)

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 07-1896 Deposit Account Name: DLA PIPER RUDNICK GRAY CARY US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

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## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES	
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity
Utility	300	150	500	250	200	100
Design	200	100	100	50	130	65
Plant	200	100	300	150	160	80
Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

Small Entity

Fee (\$) Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

Total Claims	Extra Claims	Fee (\$)	Fees Paid (\$)	Multiple Dependent Claims
- 20 or HP =	x	=		Fee (\$)

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fees Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50 =	(round up to a whole number) x		

## 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Code 1811 1.20(a) Certificate of correction \$100 (Post Issuance Fee) 230.00 and Processing Fee (37 CFR 1.17(i)) of \$130.00

## SUBMITTED BY

Signature		Registration No. 51,115 (Attorney/Agent)	Telephone (650) 833-2104
Name (Print/Type)	Kon Y. Ikegami	Date June 6, 2006	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. They will be returned to you. U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. They will be returned to you.

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).  
**FEE TRANSMITTAL**  
for FY 2006

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$230.00)

**Complete If Known**

Application Number	10/784,179
Filing Date	January 23, 2004
First Named Inventor	Hiroaki MURAKAMI et al.
Examiner Name	Daniel D. Chang
Art Unit	2819
Attorney Docket No.	351991-991270 (2102475)

**METHOD OF PAYMENT** (check all that apply)
 Check    Credit Card    Money Order    None    Other (please identify): \_\_\_\_\_

 Deposit Account Deposit Account Number: 07-1896      Deposit Account Name: DLA PIPER RUDNICK GRAY CARY US LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fees Paid (\$)
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Plant	200	100	300	150	160	80	
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Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

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Each independent claim over 3 (including Reissues)	200 100
Multiple dependent claims	360 180

Total Claims	Extra Claims	Fee (\$)	Fees Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
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HP = highest number of total claims paid for, if greater than 20						

Indep. Claims	Extra Claims	Fee (\$)	Fees Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50=	(round up to a whole number)	x	=

4. OTHER FEE(S)	Fee Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	

Other (e.g., late filing surcharge): Code 1811 120(a) Certificate of correction \$100 (Post Issuance Fee) 230.00  
and Processing Fee (37 CFR 1.17(i) of \$130.00)

SUBMITTED BY	Signature	Registration No. 51,115 (Attorney/Agent)	Telephone (650) 833-2104
Name (Print/Type)	<u>Jon Y. Ikeda, Jr.</u>		Date June 6, 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PAGE 5/18 \* RCVD AT 6/6/2006 8:14:44 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/12 \* DNIS:2738300 \* CSID:650 833 2001 \* DURATION (mm:ss):05-20 \* AmericanLegalNet, Inc. inForma.co

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06/06/2006 17:16 FAX 650 833 2001

DLAPRGC US LLP

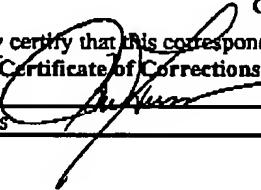
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Attorney Docket No.: 351991-991270 (2102475)

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Jan Huss

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of : Hiroaki MURAKAMI, et al.

Issued: April 18, 2006

Patent No: 7,030,658

Title: **SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS**

\*\*\*

**REQUEST FOR CERTIFICATE OF CORRECTION OF A PATENT  
FOR APPLICANT'S MISTAKE 37 CFR § 1.323**

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached in triplicate is Form PTO/SB/44 (Certificate of Correction) with at least one copy being suitable for printing.

The errors occur as follows:

on the first page of the patent, line 73

(73) Assignee: **International Business Machines Corporation New York (USA)**  
**Kabushiki Kaisha Toshiba Tokyo (JP)**

Enclosed for your reference is a copy of the Notice of Recordation of Assignment, dated August 3, 2004, and the accompanying Recordation Form Cover Sheet, assigning this matter to International Business Machines Corporation and Toshiba America Electronic. This assignment

PA\10460602.1  
351991-991270

PAGE 6/18 \* RCVD AT 6/6/2006 8:14:44 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/12 \* DNIS:2738300 \* CSID:650 833 2001 \* DURATION (mm:ss):05:20

JUN 06 2006

Attorney Docket No.: 351991-991270 (2102475)

was recorded at reel/frame 014935/0352. Also enclosed is a copy of the Notice of Recordation of Assignment, dated August 26, 2004, whereas Toshiba America Electronic Components, Inc. assigned this application to Kabushiki Kaisha Toshiba. This assignment was recorded at reel/frame 015037/0460.

The name of assignee International Business Machines Corporation was omitted on the Issue Fee Transmittal in error.

Since the error appears to have been made by the Applicants, the Commissioner is hereby authorized to charge the \$100.00 fee and \$130.00 processing fee, and any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1896. A duplicate copy of this communication is enclosed.

Please send the Certificate of Correction to:

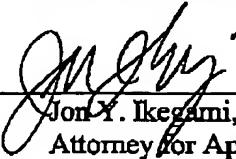
Ronald L. Yin, Esq.  
DLA Piper Rudnick Gray Cary US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-2248

Respectfully submitted,

DLA Piper Rudnick Gray Cary US LLP

Dated: June 6, 2006

By

  
Jon Y. Ikegami, Reg. No. 51,115  
Attorney for Applicant

DLA Piper Rudnick Gray Cary US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-2248  
Phone: 650-833-22104  
[jon.ikegami@dlapiper.com](mailto:jon.ikegami@dlapiper.com)

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351991-991270

Attorney Docket No.: 351991-991270 (2102475)

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Jan Huss

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent of : Hiroaki MURAKAMI, et al.

Issued: April 18, 2006

Patent No: 7,030,658

Title: **SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS**

\*\*\*

**REQUEST FOR CERTIFICATE OF CORRECTION OF A PATENT  
FOR APPLICANT'S MISTAKE 37 CFR § 1.323**

Attn.: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached in triplicate is Form PTO/SB/44 (Certificate of Correction) with at least one copy being suitable for printing.

The errors occur as follows:

on the first page of the patent, line 73

(73) Assignee: International Business Machines Corporation New York (USA)  
Kabushiki Kaisha Toshiba Tokyo (JP)

Enclosed for your reference is a copy of the Notice of Recordation of Assignment, dated August 3, 2004, and the accompanying Recordation Form Cover Sheet, assigning this matter to International Business Machines Corporation and Toshiba America Electronic. This assignment

PAT0460602.1  
351991-991270

Attorney Docket No.: 351991-991270 (2102475)

was recorded at reel/frame 014935/0352. Also enclosed is a copy of the Notice of Recordation of Assignment, dated August 26, 2004, whereas Toshiba America Electronic Components, Inc. assigned this application to Kabushiki Kaisha Toshiba. This assignment was recorded at reel/frame 015037/0460.

The name of assignee International Business Machines Corporation was omitted on the Issue Fee Transmittal in error.

Since the error appears to have been made by the Applicants, the Commissioner is hereby authorized to charge the \$100.00 fee and \$130.00 processing fee, and any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1896. A duplicate copy of this communication is enclosed.

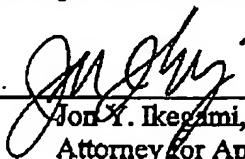
Please send the Certificate of Correction to:

Ronald L. Yin, Esq.  
DLA Piper Rudnick Gray Cary US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-2248

Respectfully submitted,

DLA Piper Rudnick Gray Cary US LLP

Dated: June 6, 2006

By   
Jon Y. Ikegami, Reg. No. 51,115  
Attorney for Applicant

DLA Piper Rudnick Gray Cary US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-2248  
Phone: 650-833-22104  
[jon.ikegami@dlapiper.com](mailto:jon.ikegami@dlapiper.com)

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351991-991270

PTO/SB/44 (04-05)

Approved for use through 04/30/2007. OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO.: **US 7,030,658 B2**

APPLICATION NO.: **10/764,179**

ISSUE DATE : **April 18, 2006**

INVENTOR(S) : **Hiroaki Murakami, Austin, TX (US);  
Osamu Takahashi, Round Rock, TX (US);  
Jieming Qi, Austin, TX (US).**

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignee: **International Business Machines Corporation New York (USA)  
Kabushiki Kalsha Toshiba Tokyo (JP)**

MAILING ADDRESS OF SENDER (Please do not use customer number below):

**DLA PIPER RUDNICK GRAY CARY US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-9709**

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file and by the USPTO to process an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

PA110460566.1  
351991-991270

PAGE 10/18 \* RCVD AT 6/6/2006 8:14:44 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/12 \* DNIS:2738300 \* CSID:650 833 2001 \* DURATION (mm:ss):05:20

JUN 6 9 2006

PTO/SB/44 (04-05)

Approved for use through 04/30/2007. OMB 0661-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO.: **US 7,030,658 B2**

APPLICATION NO.: **10/764,179**

ISSUE DATE : **April 18, 2006**

INVENTOR(S) : **Hiroaki Murakami, Austin, TX (US);  
Osamu Takahashi, Round Rock, TX (US);  
Jieming Qi, Austin, TX (US).**

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2000 University Avenue  
East Palo Alto, CA 94303-9709**

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CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO.: US 7,030,658 B2

APPLICATION NO.: 10/764,179

ISSUE DATE : April 18, 2006

INVENTOR(S) : Hiroaki Murakami, Austin, TX (US);  
Osamu Takahashi, Round Rock, TX (US);  
Jieming Qi, Austin, TX (US).

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(73) Assignee: **International Business Machines Corporation New York (USA)  
Kabushiki Kaisha Toshiba Tokyo (JP)**

MAILING ADDRESS OF SENDER (Please do not use customer number below):

**DLA PIPER RUDNICK GRAY CARY US LLP  
2000 University Avenue  
East Palo Alto, CA 94303-9709**

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 MARK L. BERRIER  
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NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).  
 DOCKET NUMBER: SUZU1270

**ASSIGNEE:**

MURAKAMI, HIROAKI

DOC DATE: 01/21/2004

**ASSIGNOR:**

TAKAHASHI, OSAMU

DOC DATE: 01/21/2004

**ASSIGNOR:**

QI, JIEMING

DOC DATE: 01/21/2004

**ASSIGNEE:**
 INTERNATIONAL BUSINESS MACHINES  
 CORP.  
 ARMONK, NEW YORK 10504

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014935/0352 PAGE 2

## ASSIGNEE:

TOSHIBA AMERICA ELECTRONIC  
COMPONENTS, INC.  
9775 TOLEDO WAY  
IRVINE, CALIFORNIA 92618-1811

SERIAL NUMBER: 10764179

FILING DATE: 01/23/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS

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Hiroaki Murakami  
 Osamu Takahashi  
 Jieming Qi

Additional name(s) of conveying party(ies)

Attached?  Yes  No

## 2. Name and address of receiving Party(ies):

Name: International Business Machines Corp.  
 Armonk, New York 10504

Toshiba America Electronic Components, Inc.  
 9775 Toledo Way  
 Irvine, CA 92618-1811

Additional name(s) &amp; address(es) attached?

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## 3. Nature of conveyance:

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Execution Date: January 21, 2004; January 21, 2004; January 21, 2004

Application number(s) or patent number(s):

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10764179

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## 5. Name and address of party to whom correspondence concerning document should be mailed:

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 Gray Cary Ware & Freidenrich LLP  
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 Suite 400  
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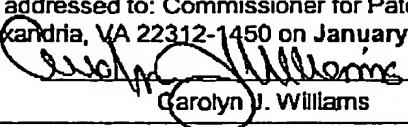
  
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RECORDATION DATE: 03/03/2004

REEL/FRAME: 015037/0460  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: SUZU1270

## ASSIGNOR:

TOSHIBA AMERICA ELECTRONIC  
COMPONENTS, INC.

DOC DATE: 02/20/2004

## ASSIGNEE:

KABUSHIKI KAISHA TOSHIBA  
1-1 SHIBAURA 1-CHROME, MINATO-KU  
TOKYO, JAPAN

SERIAL NUMBER: 10764179

FILING DATE: 01/23/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: SYSTEMS AND METHODS FOR OPERATING LOGIC CIRCUITS

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Toshiba America Electronic  
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Additional name(s) of conveying party(ies)

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Tokyo, Japan

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Execution Date: February 20, 2004

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